Panasonic

42-inch Class FULL HD LCD Display
TH-42LF30U
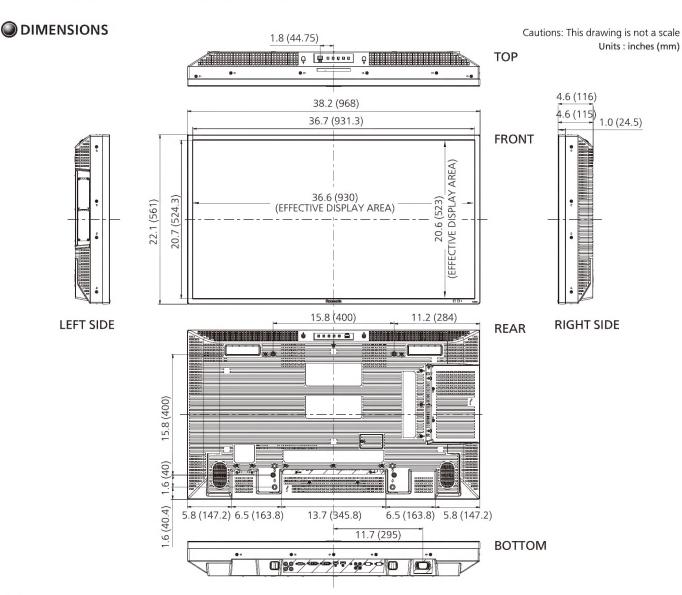
⬤ **Product specification** (design and specification subject to change without notice)

■DISPLAY PANEL

Screen Size (Diagonal)	42.0-inch (1067 mm)
Aspect ratio	16:9
Effective Display Area (W x H)	36.6" x 20.6" (930 x 523 mm)
Number of pixels (H x V)	1920 x 1080 pixels
Brightness (Typ)	700 cd/m²
Contrast Ratio	1200:1
Response Time	9 ms (G to G)
Viewing Angle (Horizontal/Vertical)	178° /178°
Operating Life	approx. 50,000 hours*

*An approximate time until the panel brightness decreases to half of its original value.

■CONNECTION TERMINAL

VIDEO IN	BNC x 1	1.0 Vp-p (75Ω)
AUDIO IN (L/R)	RCA Pin jack x 1 set	0.5 Vrms
COMPONENT/RGB IN	BNC x 3	G/Y : with sync 1.0 Vp-p (75Ω)
		B/P_B/C_B : 0.7 Vp-p (75Ω)
		R/P_R/C_R : 0.7 Vp-p (75Ω)
AUDIO IN (L/R)	RCA Pin jack x 1 set	0.5 Vrms
HDMI IN	HDMI TYPE A x 2	
DVI-D IN	DVI-D 24 Pin x 1	Compliance with DVI Revision 1.0
	Content Protection	Compatible with HDCP 1.1
AUDIO IN (L/R)	Stereo mini jack (M3) × 1	0.5 Vrms (Shared with PC IN)
DVI-D OUT	DVI-D 24pin x 1	Compliance with DVI Revision 1.0
PC IN	Mini D-sub 15 Pin x1	G : with sync 1.0 Vp-p (75Ω)
	Plug & Play (VESA DDC 2B)	: without sync 0.7 Vp-p (75Ω)
		B : 0.7 Vp-p (75Ω)
		R : 0.7 Vp-p (75Ω)
		HD/VD : 1.0 - 5.0 Vp-p (high impedance)
AUDIO IN (L/R)	Stereo mini jack (M3) × 1	0.5 Vrms (Shared with DVI-D IN)
SLOT2.0	Yes	
SERIAL	D-SUB 9 pin x 1 (SERIAL IN)/D-SUB 9 pin x 1 (SERIAL OUT) RS-232C Compatible	

■ELECTRICAL

Power Requirements	110-127V AC, 50Hz/60Hz
Rated Power Consumption	300W
On Mode Average Power Consumption*	approx. 199W
Power off condition	0.3W
Stand-by condition	0.5W

*Based on IEC 62087 Ed.2 measurement method.

■AUDIO

Built-in Speakers	8Ω, 10W [5W + 5W] (10%THD)

■MECHANICAL

Dimensions (W x H x D)	38.2" x 22.1" x 4.6" (968 x 561 x 116 mm)
Carton Dimensions (W x H x D)	43.4" x 27.9" x 8.9" (1101 x 707 x 224 mm)
Weight	approx. 46.3 lbs. (21.0 kg)
Gross weight	approx. 57.4 lbs. (26.0 kg)
Bezel Width	0.72" (18.3 mm)
Cabinet Material / Color	Plastic / Black
VESA mount	VESA 15.8" x 15.8" (400 x 400 mm)

■ENVIRONMENTAL

Operating environment	Temperature : 32°F to 104°F (0°C to 40°C)
	Humidity : 20% to 80% (Non condensation)
Storage environment	Temperature : -4°F to 140°F (-20°C to 60°C)*
	Humidity : 20% to 90% (Non condensation)

*If the Temperature is 104°F to 140°F (40°C to 60°C), please keep in humidity 20% to 40%.

■STANDARD (CERTIFICATIONS)

SAFETY REGULATIONS	UL60065, CAN/CSA-22.2No60065:03
RADIATION REGULATIONS	FCC Part 15 Class-B, ICES-003
Energy Star Displays 5.1	Yes

■REMOTE CONTROL TRANSMITTER

Power Requirements	DC 3V (2 x AA Size batteries)
Operation distance	approx. 23 ft (7m) in front of display
Weight	approx. 3.5 oz (100g) including batteries

■INCLUDED ACCESSORIES

- AC cord - Operating instruction book - Remote control transmitter - Batteries - CD-ROM (operating instruction)

UPC Code	885170055872

MAIN FEATURE

Digital Zoom	Yes (x1~x4)
Video Wall	Yes (N x M, up to 5 x 5)
Power-on Screen Delay	Yes
Seam Hides Video Off Mode	Yes
Daisy Chain	Yes
1:1 Pixel mode	Yes
Automatic Picture Position	Yes
Screen Saver	Yes
No signal power off	Yes
PC Power Management	Yes
DVI-D Power Management	Yes
ECO mode	Yes
Input lock	Yes
Button lock	Yes
Remote-control User Level	Yes
Failover input	Yes
Orientation	Landscape / Portrait

OPTIONAL ACCESSORIES

Pedestal	TY-ST20-K
HD-SDI Terminal Board	TY-FB10HD

DIMENSIONS

Cautions: This drawing is not a scale

Units : inches (mm)

1.8 (44.75)

TOP

38.2 (968)

36.7 (931.3)

FRONT

4.6 (116)

4.6 (115)

1.0 (24.5)

22.1 (561)

20.7 (524.3)

36.6 (930)
(EFFECTIVE DISPLAY AREA)

20.6 (523)

(EFFECTIVE DISPLAY AREA)

LEFT SIDE

15.8 (400)   11.2 (284)

REAR

RIGHT SIDE

15.8 (400)

1.6 (40)

1.6 (40.4)

5.8 (147.2) 6.5 (163.8)   13.7 (345.8)   6.5 (163.8) 5.8 (147.2)

11.7 (295)

BOTTOM

CONNECTION TERMINAL

>PET< TBMV2531

AUDIO (COMPOSITE)

AUDIO IN

AUDIO (DVI-D/PC)

DVI-D IN   DVI-D OUT   PC IN   VIDEO   G/Y

SERIAL IN   SERIAL OUT   AUDIO IN   2 HDMI 1   HDMI AV IN   R/PR/CR   B/PB/CB

AUDIO (COMPONENT/RGB)   COMPONENT/RGB IN

⚪ APPLICABLE INPUT SIGNALS

	Signal name	Horizontal frequency (kHz)	Vertical frequency (kHz)	VIDEO IN	COMPONENT IN (Dotclock(MHz))	RGB IN (Dotclock(MHz))	PC IN (Dotclock(MHz))	DVI-D IN (Dotclock(MHz))	HDMI1 HDMI2
Video Signals	NTSC	15.73	59.94	Y					
	PAL	15.63	50.00	Y					
	PAL60	15.73	59.94	Y					
	SECAM	15.63	50.00	Y					
	NTSC 4.43	15.73	59.94	Y					
	PAL M	15.73	59.94	Y					
	PAL N	15.63	50.00	Y					
Component Signals	525(480)/60i	15.73	59.94		Y (13.5)			Y (27.0)	Y
	525(480)/60p	31.47	59.94		Y (27.0)			Y (27.0)	Y
	625(575)/50i	15.63	50.00		Y (13.5)				
	625(576)/50i	15.63	50.00					Y (27.0)	Y
	625(575)/50p	31.25	50.00		Y (27.0)				
	625(576)/50p	31.25	50.00					Y (27.0)	Y
	750(720)/60p	45.00	60.00		Y (74.25)			Y (74.25)	Y
	750(720)/50p	37.50	50.00		Y (74.25)			Y (74.25)	Y
	1125(1080)/60p	67.50	60.00		Y (148.5)*1			Y (148.5)	Y
	1125(1080)/60i	33.75	60.00		Y (74.25)*1			Y (74.25)	Y
	1125(1080)/50p	56.25	50.00		Y (148.5)*1			Y (148.5)	Y
	1125(1080)/50i	28.13	50.00		Y (74.25)*1			Y (74.25)	Y
	1125(1080)/24sF	27.00	48.00		Y (74.25)*2				
	1125(1080)/30p	33.75	30.00		Y (74.25)*1			Y (74.25)	Y
	1125(1080)/25p	28.13	25.00		Y (74.25)*1			Y (74.25)	Y
	1125(1080)/24p	27.00	24.00		Y (74.25)*1			Y (74.25)	Y
PC Signals	640x400@70Hz	31.46	70.07			Y (25.17)	Y (25.17)	Y (25.17)	
	640x400@85Hz	37.86	85.08			Y (31.5)	Y (31.5)	Y (31.5)	
	640x480@60Hz	31.43	59.88			Y (25.15)	Y (25.15)	Y (25.15)	
	640x480@60Hz	31.47	59.94			Y (25.18)	Y (25.18)	Y (25.18)	Y
	640x480@67Hz	35.00	66.67			Y (30.24)	Y (30.24)	Y (30.24)	
	640x480@72Hz	37.86	72.81			Y (31.5)	Y (31.5)	Y (31.5)	
	640x480@75Hz	37.50	75.00			Y (31.5)	Y (31.5)	Y (31.5)	
	640x480@85Hz	43.27	85.01			Y (36.0)	Y (36.0)	Y (36.0)	
	720x400@70Hz	31.47	70.08			Y (28.32)	Y (28.32)	Y (28.32)	
	800x600@55Hz	34.50	55.38			Y (35.33)	Y (35.33)	Y (35.33)	
	800x600@56Hz	35.16	56.25			Y (36.0)	Y (36.0)	Y (36.0)	
	800x600@60Hz	37.88	60.32			Y (40.0)	Y (40.0)	Y (40.0)	Y
	800x600@60Hz	38.00	60.51			Y (40.13)	Y (40.13)	Y (40.13)	
	800x600@72Hz	48.08	72.19			Y (50.0)	Y (50.0)	Y (50.0)	
	800x600@75Hz	46.88	75.00			Y (49.5)	Y (49.5)	Y (49.5)	
	800x600@85Hz	53.67	85.06			Y (56.25)	Y (56.25)	Y (56.25)	
	852x480@60Hz	31.47	59.94			Y (33.54)	Y (33.54)	Y (34.24)	Y
	1024x768@50Hz	39.55	50.00			Y (51.89)	Y (51.89)	Y (51.89)	Y
	1024x768@60Hz	48.36	60.00			Y (65.0)	Y (65.0)	Y (65.0)	Y
	1024x768@60Hz	48.50	60.02			Y (64.99)	Y (64.99)	Y (65.18)	
	1024x768@70Hz	56.48	70.07			Y (75.0)	Y (75.0)	Y (75.0)	
	1024x768@75Hz	60.24	74.93			Y (80.0)	Y (80.0)	Y (80.0)	
	1024x768@75Hz	60.02	75.03			Y (78.75)	Y (78.75)	Y (78.75)	
	1024x768@75Hz	61.01	75.70			Y (80.05)	Y (80.05)	Y (81.0)	
	1024x768@85Hz	68.68	85.00			Y (94.5)	Y (94.5)	Y (94.5)	
	1024x768@120Hz	97.55	119.99				Y (115.5)	Y (115.5)	
	1066x600@60Hz	37.64	59.94			Y (53.0)	Y (53.0)	Y (53.0)	Y
	1152x864@60Hz	53.70	60.00			Y (81.62)	Y (81.62)	Y (81.62)	Y
	1152x864@75Hz	67.50	75.00			Y (108.0)	Y (108.0)	Y (108.0)	
	1152x900@65Hz	61.20	65.20			Y (92.0)	Y (92.0)	Y (92.0)	
	1152x900@66Hz	61.85	66.00			Y (94.5)	Y (94.5)	Y (94.5)	
	1152x900@75Hz	71.40	75.60			Y (105.1)	Y (105.1)	Y (105.1)	
	1280x768@60Hz	47.78	59.87			Y (79.50)	Y (79.50)	Y (79.50)	
	1280x800@50Hz	41.20	50.00			Y (68.55)	Y (68.55)	Y (68.55)	
	1280x960@60Hz	60.00	60.00			Y (108.0)	Y (108.0)	Y (108.0)	
	1280x960@85Hz	85.94	85.00			Y (148.5)	Y (148.5)	Y (148.5)	
	1280x1024@50Hz	52.70	50.00			Y (89.38)	Y (89.38)	Y (89.38)	Y
	1280x1024@60Hz	63.34	59.98			Y (108.18)	Y (108.18)	Y (108.18)	
	1280x1024@60Hz	63.90	60.00			Y (107.35)	Y (107.35)	Y (107.35)	
	1280x1024@60Hz	63.37	60.01			Y (107.5)	Y (107.5)	Y (107.5)	
	1280x1024@60Hz	63.74	60.02			Y (108.1)	Y (108.1)	Y (108.1)	
	1280x1024@60Hz	63.98	60.02			Y (108.0)	Y (108.0)	Y (108.0)	Y
	1280x1024@60Hz	63.79	60.18			Y (108.19)	Y (108.19)	Y (108.19)	
	1280x1024@66Hz	70.66	66.47			Y (119.84)	Y (119.84)	Y (119.84)	
	1280x1024@75Hz	79.98	75.02			Y (135.0)	Y (135.0)	Y (135.0)	
	1280x1024@76Hz	81.13	76.11			Y (135.0)	Y (135.0)	Y (135.0)	
	1280x1024@85Hz	91.15	85.02				Y (157.5)	Y (157.5)	
	1360x768@60Hz	47.71	60.02				Y (85.5)	Y (85.5)	
	1366x768@50Hz	39.55	50.00			Y (69.92)	Y (69.92)	Y (69.92)	
	1366x768@60Hz	48.36	60.00			Y (86.71)	Y (86.71)	Y (87.44)	
	1400x1050@60Hz	65.12	59.91			Y (121.38)	Y (121.38)	Y (122.43)	
	1400x1050@60Hz	65.32	59.98			Y (121.75)	Y (121.75)	Y (121.75)	Y
	1400x1050@60Hz	65.35	60.12			Y (121.81)	Y (121.81)	Y (121.85)	
	1400x1050@75Hz	82.28	74.87			Y (156.0)	Y (156.0)	Y (156.0)	
	1600x1200@60Hz	75.00	60.00			Y (162.0)	Y (162.0)	Y (162.0)	Y
	1920x1080@60Hz	67.50	60.00			Y (148.5)	Y (148.5)	Y (148.5)	Y
	1920x1200@60Hz	74.04	59.95					Y (154.0)	
	Macintosh13"(640x480)	35.00	66.67			Y (30.24)	Y (30.24)	Y (30.24)	
	MacintoshLC13"(640x480)	34.97	66.60			Y (31.33)	Y (31.33)	Y (31.33)	
	Macintosh16"(832x624)	49.72	74.55			Y (57.28)	Y (57.28)	Y (57.28)	
	Macintosh19"(1024x768)	60.24	75.08			Y (80.0)	Y (80.0)	Y (80.0)	
	Macintosh21"(1152x870)	68.68	75.06			Y (100.0)	Y (100.0)	Y (100.0)	
	Macintosh II(1280x1024)	80.00	75.00			Y (134.4)	Y (134.4)	Y (135.2)	

*1:Based on SMPTE 274M standard.
*2:Based on SMPTE RP211 standard.